

Title (en)
PAPER MONEY FEEDER

Title (de)
BANKNOTENZUFÜHRVORRICHTUNG

Title (fr)
DISPOSITIF D'ALIMENTATION EN PAPIER-MONNAIE

Publication
EP 2110352 A4 20120208 (EN)

Application
EP 07708210 A 20070208

Priority
JP 2007052186 W 20070208

Abstract (en)
[origin: EP2110352A1] A banknote feeding apparatus 10 comprises a first kicker roller 16 configured to be in contact with a surface of one banknote of a plurality of banknotes stored in the banknote storage unit 101, and further configured to be continuously rotated; a second kicker roller 18 provided upstream relative to the first kicker roller 16 in a feed direction of the banknotes, and configured to be continuously rotated, in the same direction of rotation, at approximately the same peripheral velocity, as those of the first kicker roller 16; and a feed roller 12 adapted for feeding each banknote kicked by the first kicker roller 16. The first kicker roller 16 has a high friction unit 16a adapted for kicking each banknote and partly provided in the outer circumference of the first kicker roller 16. The second kicker roller 18 has a low friction unit 18a having a coefficient of friction lower than the coefficient of friction of the high friction unit 16a of the first kicker roller 16 and provided over the whole outer circumference of the second kicker roller 18. The outer-circumferential length of the first kicker roller 16 is set greater than a length in a feed direction of the banknote having the largest size of the banknotes to be fed out by the banknote feeding apparatus 10.

IPC 8 full level
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CPC (source: EP US)
B65H 3/063 (2013.01 - EP US); **B65H 3/0676** (2013.01 - EP US); **B65H 2404/5311** (2013.01 - EP US); **B65H 2701/1912** (2013.01 - EP US)

Citation (search report)

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- [Y] US 4653742 A 19870331 - SASAKI NAOYA [JP], et al
- [A] WO 2006125559 A1 20061130 - ACI ECOTEC GMBH & CO KG [DE], et al
- See references of WO 2008096426A1

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